## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 7,529,834 B1 Page 1 of 1

APPLICATION NO. : 09/668643 DATED : May 5, 2009

INVENTOR(S) : Andrew David Birrell et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 2, line 12, insert -- the -- before "IEEE".

In column 5, lines 19-20, delete " $13_{1...n}$ " and insert --  $14_{1...n}$  --, therefor.

In column 7, line 31, delete "recovers" and insert -- recovery --, therefor.

In column 8, line 62, delete "H0" and insert -- H() --, therefor.

In column 9, line 17, delete "collision in H0" and insert -- collisions in H() --, therefor.

In column 9, line 19, delete " $D_0$ ,  $D_1 \dots D_1 \dots$ " and insert --  $D_0$ ,  $D_1 \dots D_i \dots$  --, therefor.

In column 9, line 35, delete "H0" and insert -- H() --, therefor.

In column 9, line 38, delete "D $+_i$ " and insert -- D'<sub>i</sub> --, therefor.

In column 9, line 46, delete "H0" and insert -- H() --, therefor.

In column 9, lines 61-62, delete "computer" and insert -- compute --, therefor.

In column 11, line 24, delete " $K(\le k)$ " and insert --  $k(\le k)$  --, therefor.

In column 19, line 45, in Claim 9, delete "has" and insert -- hash --, therefor.

Signed and Sealed this

Twenty-ninth Day of September, 2009

Varid J. Kappos

David J. Kappos

Director of the United States Patent and Trademark Office